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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
 ( Not for submission under 37 CFR 1.99)

|                        |                    |      |
|------------------------|--------------------|------|
| Application Number     | 10531763           |      |
| Filing Date            | 2005-04-18         |      |
| First Named Inventor   | Susan D. Strothers |      |
| Art Unit               | Unknow             |      |
| Examiner Name          | Unknown            |      |
| Attorney Docket Number | H0004599.69957 US  | 4015 |

**U.S. PATENTS**

| Examiner Initial* | Cite No | Patent Number | Kind Code† | Issue Date | Name of Patentee or Applicant of cited Document   | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear |
|-------------------|---------|---------------|------------|------------|---|--|
| 1                 | 5302266 |               | A          | 1994-04-12 | International Business Machines                   |  |
| 2                 | 5225393 |               | A          | 1993-07-06 | International Superconductivity Technology Center |  |
| 3                 | 4026787 |               |            |            |   |  |
| 4                 | 5693203 |               | A          | 1997-12-02 | Japan Energy Corporation                          |  |
| 5                 | 5632869 |               | A          | 1997-05-27 | Sony Corporation                                  |  |
| 6                 | 4544091 |               |            | 1985-10-01 | GTE Products Corporation                          |  |
| 7                 | 3884787 |               |            |            |   |  |
| 8                 | 5409587 |               | A          | 1995-04-25 | Micron Technology Inc.                            |  |

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|                        |                         |
|------------------------|-------------------------|
| Application Number     | 10031703                |
| Filing Date            | 2005-04-18              |
| First Named Inventor   | Susan D. Strothers      |
| Art Unit               | Unknow                  |
| Examiner Name          | Unknown                 |
| Attorney Docket Number | H0004599.69957 US -4015 |

|    |         |    |            |                             |  |
|----|---------|----|------------|-----------------------------|--|
| 9  | 4923585 |    | 1990-05-08 | Arch Development Corp.      |  |
| 10 | 6296743 | B1 | 2001-10-02 | Applied Materials, Inc.     |  |
| 11 | 6153061 | A  | 2000-11-28 | Auburn University           |  |
| 12 | 6326627 | B1 | 2001-12-04 | Archimedes Technology Group |  |
| 13 | 6117281 | A  | 2000-09-12 | Seagate Technology Inc.     |  |
| 14 | 5865969 | A  | 1999-02-02 | Sputtered Films, Inc.       |  |
| 15 | 5766426 | A  | 1998-06-16 | Sputtered Films, Inc.       |  |
| 16 | 5417833 | A  | 1995-05-23 | Varian Associates, Inc.     |  |
| 17 | 5188717 | A  | 1993-02-23 | Novellus Systems, Inc.      |  |
| 18 | 5135819 | A  | 1992-08-04 | Pioneer Electronic Corp.    |  |
| 19 | 5126029 | A  | 1992-06-30 | Intel Corporation           |  |

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|    |         |    |            |  |  |
|----|---------|----|------------|--|--|
| 20 | 5106821 | A  | 1992-04-21 | International Superconductivity<br>Technology Center |  |
| 21 | 4500409 |    | 1985-02-19 | Varian Associates, Inc.                              |  |
| 22 | 4414086 |    | 1983-11-08 | Varian Associates, Inc.                              |  |
| 23 | 4610770 |    | 1986-09-09 | Hitachi, Ltd.  |  |
| 24 | 4629548 |    | 1986-12-16 | Varian Associates, Inc.                              |  |
| 25 | 5590389 | A  | 1996-12-31 | Johnson Matthey Electronics, Inc.                    |  |
| 26 | 5780755 | A  | 1998-07-14 | Johnson Matthey Electronics, Inc.                    |  |
| 27 | 5809383 | A  | 1998-09-15 | Johnson Matthey Electronics, Inc.                    |  |
| 28 | 5993621 | A  | 1999-11-30 | Johnson Matthey Electronics, Inc.                    |  |
| 29 | 6302977 | B1 | 2001-10-16 | Johnson Matthey Electronics, Inc.                    |  |
| 30 | 6224718 | B1 | 2001-05-01 | Veeco Instruments, Inc.                              |  |

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| Examiner Name          | Unknown                 |
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|  |    |         |    |            |                                    |  |
|--|----|---------|----|------------|------------------------------------|--|
|  | 31 | 5894058 | A  | 1999-04-13 | Ebara Corporation                  |  |
|  | 32 | 5942356 | A  | 1999-08-24 | Hoya Corporation                   |  |
|  | 33 | 6242138 | B1 | 2001-06-05 | Hoya Corporation                   |  |
|  | 34 | 6057238 | A  | 2000-05-02 | Micron Technology Inc.             |  |
|  | 35 | 6107688 | A  | 2000-08-22 | Micron Technology Inc.             |  |
|  | 36 | 4793908 |    | 1988-12-27 | Rockwell International Corporation |  |
|  | 37 | 6222271 | B1 | 2001-04-24 | Micron Technology Inc.             |  |
|  | 38 | 6194783 | B1 | 2001-02-27 | Micron Technology Inc.             |  |
|  | 39 | 5382457 | A  | 1995-01-17 | Colorado Seminary                  |  |
|  | 40 | 5959157 | A  | 1999-09-28 | Allied Signal, Inc.                |  |
|  | 41 | 5986045 | A  | 1999-11-16 | Allied Signal, Inc.                |  |

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|    |         |    |            |                              |  |
|----|---------|----|------------|------------------------------|--|
| 42 | 6124421 | A  | 2000-09-26 | Allied Signal, Inc.          |  |
| 43 | 6156812 | A  | 2000-12-05 | Honeywell International Inc. |  |
| 44 | 6172128 | B1 | 2001-01-09 | Honeywell International Inc. |  |
| 45 | 6171687 | B1 | 2001-01-09 | Honeywell International Inc. |  |
| 46 | 6214746 | B1 | 2001-04-10 | Honeywell International Inc. |  |
| 47 | 5115082 | A  | 1992-05-19 | Raychem Corp.                |  |
| 48 | 5986045 | A  | 1999-11-16 | Allied Signal, Inc.          |  |
| 49 | 6143855 | A  | 2000-11-07 | Allied Signal, Inc.          |  |
| 50 | 6022812 | A  | 2000-02-08 | Allied Signal, Inc.          |  |

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|-------------------|---------|--------------------------------------|-----------------------------|--------------------------|------------------|---|--|----------------|
|                   | 1       | 01/29052                             | WO                          |                          | 2001-04-26       | Allied Signal, Inc.                             |  | [ ]            |
|                   | 2       | 01/29141                             | WO                          |                          | 2001-04-26       | Allied Signal, Inc.                             |  | [ ]            |

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